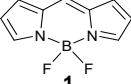
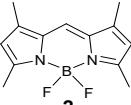
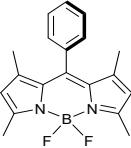
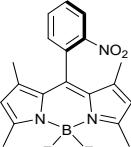
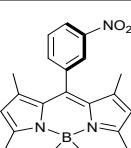
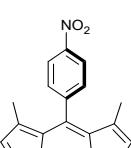
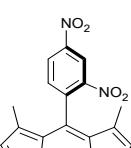
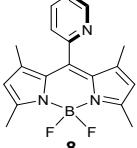
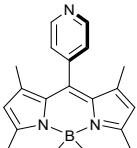
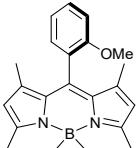
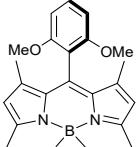
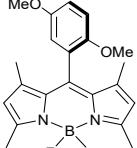
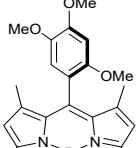
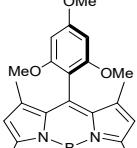
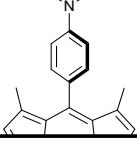
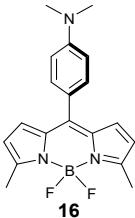
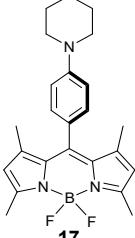
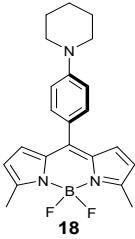
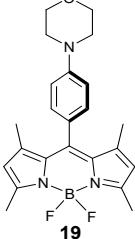
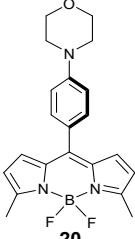
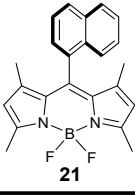
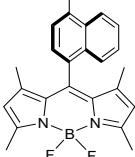
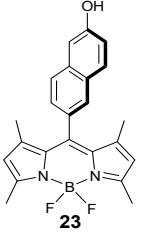
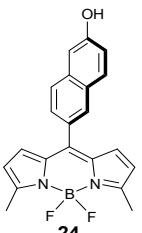
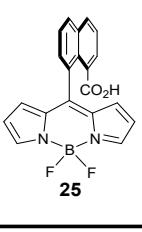
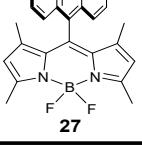
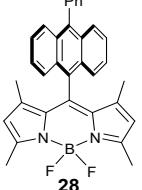
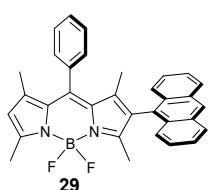
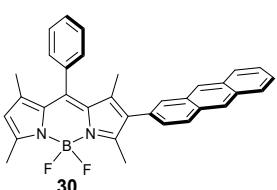


Table S1. BODIPY dataset.

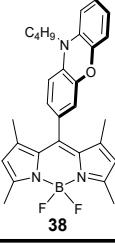
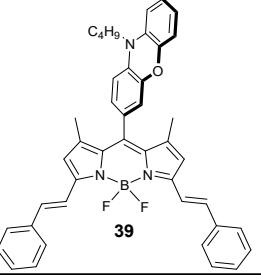
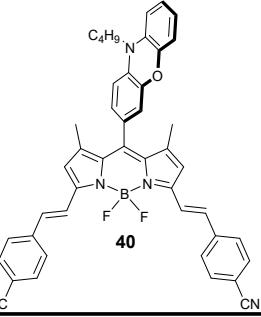
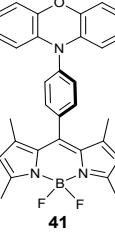
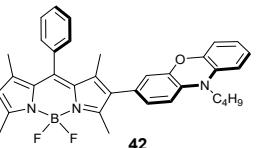
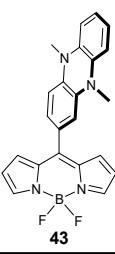
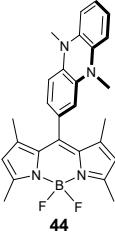
Structure	Solvent	Φ_{Δ}	Φ_{Fl}	Comment	Reference
 1	hexane	0.066	0.92		1
	toluene	0.12	0.79		1
	THF	0.071	0.86		1
	MeOH	0.083	0.96		1
 2	hexane	0.03	0.78		2
	toluene	0.061	0.74		2
	CCl ₄	0.100	0.81		2
	CH ₂ Cl ₂	0.062	0.74		2
	THF	0.091	-	Not reported	2
	EtOH	0.058	0.8		2
	CH ₃ CN	0.069	0.81		2
 3	hexane	0.038	0.56		3
	toluene	0.023			4
	EtOAc	0.052	0.58		3
	THF	0.13	0.56		4
	pinacolone	0.11	0.55		3
	acetone	0.050	0.46		3
	EtOH	0.030	-	Not reported	4
	MeOH	0.031	0.58		3
	CH ₃ CN	0.017	0.52		4
 4	hexane	0.018	0.023		3
	EtOAc	0.027	0.016		3
	THF	0.026	0.05		3
	pinacolone	0.079	0.0064		3
	acetone	0.051	0.0038		3
	MeOH	0.0083	0.027		3
	CH ₃ CN	0.020	0.0032		3
 5	hexane	0.01	0.42		3
	EtOAc	0.031	0.23		3
	THF	0.028	0.25		3
	pinacolone	0.07	0.074		3
	acetone	0.029	0.07		3
	MeOH	0.0062	0.14		3
	CH ₃ CN	0.0044	0.019		3
 6	hexane	0.0067	0.19		3
	EtOAc	0.021	0.14		3
	THF	0.019	0.11		3
	pinacolone	0.047	0.047		3
	acetone	0.0093	0.027		3
	MeOH	0.0036	0.03		3
	CH ₃ CN	0.0043	0.015		3
 7	hexane	0.021	0.033		3
	EtOAc	0.026	0.025		3
	THF	0.026	0.0087		3
	pinacolone	0.073	0.012		3
	acetone	0.012	0.0091		3
	MeOH	0.0055	0.045		3

	CH ₃ CN	0.0049	0.0033		3
 8	hexane	0.0052	0.059		3
	EtOAc	0.0039	0.062		3
	THF	0.012	0.061		3
	pinacolone	0.012	0.04		3
	acetone	0.012	0.049		3
	MeOH	0.013	0.071		3
	CH ₃ CN	0.024	0.038		3
 9	hexane	0.0091	0.25		3
	EtOAc	0.032	0.38		3
	THF	0.024	0.33		3
	pinacolone	0.020	0.17		3
	acetone	0.031	0.2		3
	MeOH	0.012	0.12		3
	CH ₃ CN	0.037	0.13		3
 10	hexane	0.029	0.98		5
	EtOAc	0.057	0.76		5
	THF	0.061	0.87		5
	pinacolone	0.078	0.74		5
	acetone	0.17	0.78		5
	MeOH	0.021	0.69		5
	CH ₃ CN	0.18	0.57		5
 11	hexane	0.040	0.71		5
	EtOAc	0.073	0.47		5
	THF	0.051	0.64		5
	pinacolone	0.081	0.64		5
	acetone	0.082	0.72		5
	MeOH	0.036	0.58		5
	CH ₃ CN	0.18	0.54		5
 12	hexane	0.026	0.971		6
	EtOAc	0.178	0.499		6
	THF	0.462	0.457		6
	pinacolone	0.680	0.481		6
	acetone	0.250	0.059		6
	MeOH	0.023	0.037		6
	CH ₃ CN	0.125	0.01		6
 13	hexane	0.114	0.863		6
	EtOAc	0.291	0.004		6
	THF	0.357	0.005		6
	pinacolone	0.392	0.004		6
	acetone	0.068	0.003		6
	MeOH	0.004	0.003		6
	CH ₃ CN	0.033	0.001		6
 14	hexane	0.024	0.95		5
	EtOAc	0.063	0.64		5
	THF	0.059	0.78		5
	pinacolone	0.16	0.69		5
	acetone	0.11	0.8		5
	MeOH	0.074	0.68		5
	CH ₃ CN	0.31	0.55		5
 15	hexane	0.102	0.441		7
	EtOAc	0.412	0.011		7
	THF	0.623	0.014		7
	pinacolone	0.490	0.015		7
	acetone	0.114	0.009		7

	MeOH	0.073	0.003		7
	CH ₃ CN	0.062	0.005		7
 16	hexane	0.23	0.376		7
	EtOAc	0.171	0.013		7
	THF	0.321	0.011		7
	pinacolone	0.439	0.024		7
	acetone	0.087	0.006		7
	MeOH	0.019	0.03		7
	CH ₃ CN	0.052	0.008		7
 17	hexane	0.058	0.384		7
	EtOAc	0.511	0.006		7
	THF	0.612	0.008		7
	pinacolone	0.644	0.024		7
	acetone	0.145	0.002		7
	MeOH	0.037	0.01		7
	CH ₃ CN	0.083	0.005		7
 18	hexane	0.258	0.341		7
	EtOAc	0.220	0.005		7
	THF	0.401	0.008		7
	pinacolone	0.457	0.004		7
	acetone	0.099	0.002		7
	MeOH	0.046	0.003		7
	CH ₃ CN	0.057	0.002		7
 19	hexane	0.120	0.45		7
	EtOAc	0.676	0.029		7
	THF	0.535	0.011		7
	pinacolone	0.588	0.063		7
	acetone	0.192	0.001		7
	MeOH	0.038	0.002		7
	CH ₃ CN	0.083	0.001		7
 20	hexane	0.225	0.388		7
	EtOAc	0.290	0.008		7
	THF	0.338	0.004		7
	pinacolone	0.281	0.002		7
	acetone	0.100	0.002		7
	MeOH	0.008	0.005		7
	CH ₃ CN	0.033	0.02		7
 21	hexane	0.05	0.87		4
	toluene	0.043	0.77		4
	THF	0.13	0.85		4
	EtOH	0.041	0.9		4
	CH ₃ CN	0.057	0.83		4
 22	hexane	0.011	0.906		6
	EtOAc	0.165	0.411		6
	THF	0.232	0.438		6
	pinacolone	0.460	0.479		6
	acetone	0.471	0.389		6
	MeOH	0.274	0.648		6

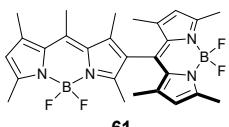
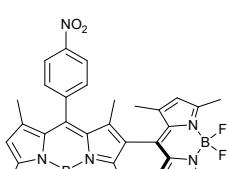
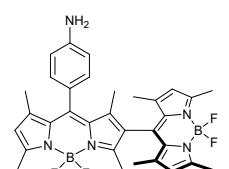
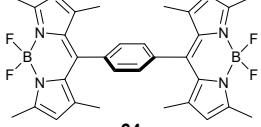
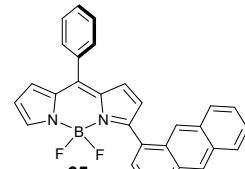
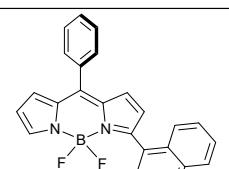
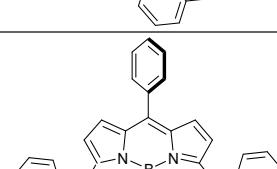
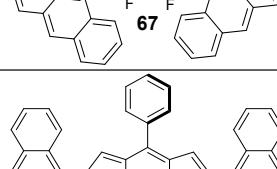
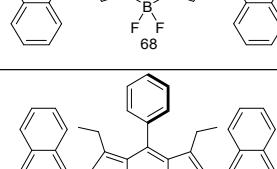
	CH ₃ CN	0.872	0.123		6
 23	hexane	0.047	0.637		6
	EtOAc	0.104	0.695		6
	THF	0.442	0.581		6
	pinacolone	0.382	0.621		6
	acetone	0.111	0.483		6
	MeOH	0.131	0.11		6
	CH ₃ CN	0.081	0.118		6
 24	hexane	0.116	0.269		6
	EtOAc	0.106	0.129		6
	THF	0.19	0.167		6
	pinacolone	0.317	0.11		6
	acetone	0.070	0.101		6
	MeOH	0.046	0.03		6
	CH ₃ CN	0.011	0.092		6
 25	hexane	n.d.	0.92		2
	toluene	0.066	-	Not Reported	2
	CCl ₄	0.15	-	Not Reported	2
	CH ₂ Cl ₂	0.20	0.3		2
	THF	0.15	0.7		2
	EtOH	0.30	0.42		2
	CH ₃ CN	0.084	0.45		2
 26	hexane	0.066	0.92		2
	toluene	0.038	0.86		2
	CCl ₄	0.061	-	Not Reported	2
	CH ₂ Cl ₂	0.068	0.89		2
	THF	0.066	0.79		2
	EtOH	0.18	0.81		2
	CH ₃ CN	0.092	0.57		2
 27	hexane	0.01	0.99		8
	toluene	0.045	0.92		4,8
	THF	0.21	0.36		4
	EtOH	0.53	0.038		8
	CH ₃ CN	0.22	0.009		4
 28	hexane	0.04	0.9		8
	toluene	0.10	0.81		9
	EtOH	0.59	0.02		8
	CH ₃ CN	0.84	0.01		9,8
 29	toluene	0.20	0.39		9
	CH ₂ Cl ₂	0.24	0.1		9
	CH ₃ CN	0.11	0.01		9
 30	toluene	0.11	0.42		9
	CH ₂ Cl ₂	0.13	0.2		9
	CH ₃ CN	0.05	0.04		9

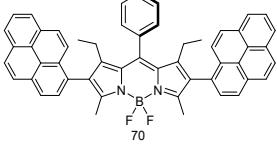
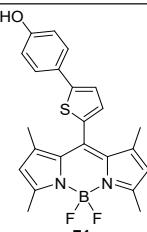
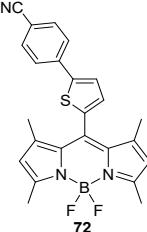
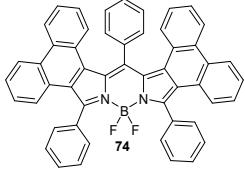
<p>31</p>	hexane	0.01	0.967		10
	toluene	0.086	0.83		4
	THF	0.20	0.94		4
	EtOH	0.34	0.651		10
	CH ₃ CN	0.34	0.59		4
<p>32</p>	hexane	0.1	0.381		11
	toluene	0.31	0.067		12
<p>33</p>	toluene	0.18	0.619		11
	THF	0.21	0.082		11
	CH ₂ Cl ₂	0.42	0.037		11
	CH ₃ CN	0.11	0.017		11
<p>34</p>	hexane	0.349	-	Not reported	13
	toluene	0.673	-	Not reported	13
	CH ₂ Cl ₂	0.013	-	Not reported	13
<p>35</p>	hexane	0.018	-	Not reported	13
	toluene	0.246	-	Not reported	13
<p>36</p>	hexane	0.28	-	Not reliable	14
	toluene	0.08	-	Not reliable	14
<p>37</p>	toluene	0.02	0.0004		14

	hexane	0.11	0.155		14
	toluene	0.42	-	Not reliable	14
	toluene	0.23	0.393		15
	hexane	0.05	0.354		15
toluene	0.18	0.018		15	
	hexane	0.01	0.303		14
toluene	0.39	0.019		14	
	hexane	0.02	0.16		14
toluene	0.04	0.033		14	
	toluene	0.01	0.0012		16
THF	0.003	-	Not reported	16	
	cyclohexane	0.04	-	Not reported	16
toluene	0.014	0.001		16	
THF	0.006	-	Not reported	16	

<p>45</p>	toluene	0.001	0.005		16
	THF	0.008	-	Not reported	16
	CH ₃ CN	0.009	-	Not reported	16
<p>46</p>	cyclohexane	0.30	-	Not reported	16
	toluene	0.05	0.0013		16
	THF	0.004	-	Not reported	16
<p>47</p>	toluene	0.033	0.2		17
	CH ₂ Cl ₂	0.58	0.04		17
	CH ₃ CN	0.024	-	Not reported	17
<p>48</p>	toluene	0.023	0.83		17
	CH ₂ Cl ₂	0.082	0.72		17
	CH ₃ CN	0.54	0.18		17
<p>49</p>	toluene	0.083	0.38		17
	CH ₂ Cl ₂	0.026	0.15		17
<p>50</p>	toluene	0.09	0.82		18
	CH ₂ Cl ₂				
<p>51</p>	toluene	0.11	0.81		18
	CH ₂ Cl ₂				
<p>52</p>	toluene	0.19	0.31		18
	CH ₂ Cl ₂				
<p>53</p>	toluene	0.32	0.09		18
	CH ₂ Cl ₂				
<p>54</p>	toluene	0.02	0.59		17
	CH ₂ Cl ₂	0.043	0.52		17

<p>55</p>	hexane	0.03	0.462		15
	toluene	0.04	0.36		15
<p>56</p>	Hexane	0.04	0.484		15
	toluene	0.12	0.299		15
<p>57</p>	toluene	0.4	0.71		19
	CH ₂ Cl ₂	0.5	0.56		19
<p>58</p>	toluene	0.4	0.67		19
	CH ₂ Cl ₂	0.5	0.6		19
<p>59</p>	toluene	0.3	0.69		19
	CH ₂ Cl ₂	0.5	0.62		19
<p>60</p>	toluene	0.3	0.76		19

	<chem>CH2Cl2</chem>	0.5	0.63		19
 61	toluene	0.24	0.804		20
	<chem>CHCl3</chem>	0.75	0.22		21
	THF	0.86	0.17		21
	<chem>CH2Cl2</chem>	0.64	-	Not reported	20
	acetone	0.5	0.84		21
	<chem>CH3CN</chem>	0.25	0.01		21
 62	toluene	0.44	0.033		20
	<chem>CH2Cl2</chem>	0.20	-	Not reported	20
 63	toluene	0.144	0.628		20
	<chem>CH2Cl2</chem>	0.68	-	Not reported	20
	<chem>CH3CN</chem>	0.112	0.001		20
 64	toluene	0.01	0.573		20
	<chem>CH2Cl2</chem>	0.09	-	Not reported	20
	<chem>CH3CN</chem>	0.03	0.007		20
 65	Hexane	-	0.123	Not reported	22
	toluene	0.071	0.265		22
	<chem>CH2Cl2</chem>	0.12	0.205		22
	THF	-	0.187	Not reported	22
	<chem>CH3CN</chem>	-	0.013	Not reported	22
 66	Hexane	0.065	0.096		22
	toluene	0.33	0.121		22
	<chem>CH2Cl2</chem>	0.12	0.027		22
	THF	0.061	0.021		22
	<chem>CH3CN</chem>	-	0.003	Not reported	22
 67	Hexane	0.12	0.173		22
	toluene	0.37	0.166		22
	<chem>CH2Cl2</chem>	0.25	0.062		22
	THF	0.089	0.05		22
	<chem>CH3CN</chem>	0.027	0.008		22
 68	Hexane	0.023	0.077		22
	toluene	0.011	0.025		22
	<chem>CH2Cl2</chem>	-	0.004	Not reported	22
	THF	-	0.003	Not reported	22
	<chem>CH3CN</chem>	0.005	0.002		22
 69	Hexane	0.22	0.617		23
	toluene	0.289	0.513		23
	THF	0.307	0.291		23
	<chem>CH2Cl2</chem>	-	0.207	Not reported	23

	EtOH	0.299	0.094		23
	CH ₃ CN	0.14	0.025		23
	Hexane	0.18	0.676		23
	toluene	0.203	0.634		23
	THF	0.185	0.445		23
	CH ₂ Cl ₂	-	0.352	Not reported	23
	EtOH	0.19	0.191		23
	CH ₃ CN	0.09	0.078		23
	Hexane	0.007	0.028		24
	toluene	0.046	0.039		24
	CH ₂ Cl ₂	0.441	0.019		24
	CH ₃ CN	0.175	0.0001		24
	Hexane	-	0.023	Not reported	24
	toluene	0.026	0.028		24
	CH ₂ Cl ₂	0.012	0.031		24
	CH ₃ CN	0.026	0.020		24
	Hexane	0.026	0.001		25
	toluene	0.058	0.0009		25
	CH ₂ Cl ₂	0.028	0.0002		25
	CH ₃ CN	0.023	-	Not Reported	25
	Hexane	-	0.696	Not Reported	25
	toluene	-	0.74	Not Reported	25
	CH ₂ Cl ₂	-	0.723	Not Reported	25
	CH ₃ CN	0.055	0.644	Not Reported	25